

Please cancel original claims 1-19 and cancel substitute claims 1-4 without prejudice, and add new claims 20-38, as follows:

--20. (New) A liquid crystal display, comprising:

a plurality of pixels subdivided into a plurality of subpixels

a liquid crystal cell having a top surface and a bottom surface, and including:

a first substrate provided with a transparent electrode,

a second substrate provided with another transparent electrode, and

a liquid crystal including liquid crystal molecules and arranged

between the first substrate and the second substrate, wherein the liquid crystal

exhibits a different orientation for each one of the plurality of subpixels;

a first polarizer arranged on the top surface of the liquid crystal cell;

a second polarizer arranged on the bottom surface of the liquid crystal cell; and

an optically biaxial retardation film associated with a plurality of different <sup>retraction</sup> ~~refraction~~

indices and provided at least between one of the first polarizer and the second polarizer and

the liquid crystal in order to compensate for a dependence of optical characteristics

including a transmission on a viewing angle and a contrast on the viewing angle, wherein

the plurality of different refraction indexes includes at least:

a first refraction index  $n_z$  occurring along an axis that is essentially parallel to a normal to the liquid crystal cell in the retardation film, and

a second refraction index  $n_e$  occurring along an axis that is essentially perpendicular to an orientation of the liquid crystal molecules with respect to a corresponding adjacent one of the first substrate and the second substrate in the retardation film.

21. (New) The liquid crystal display according to claim 20, wherein the plurality of different refraction indexes includes a third refraction index  $n_o$ , and wherein the retardation film has the following characteristics:

$$n_e - n_o > 0 \text{ and}$$

$$n_z - n_o < 0.$$

22. (New) The liquid crystal display according to claim 20, wherein the retardation film is arranged on the liquid crystal cell between the liquid crystal cell and one of the first polarizer and the second polarizer.

23. (New) The liquid crystal cell according to claim 20, wherein the retardation film is arranged in the liquid crystal cell between the liquid crystal and one of the first substrate and the second substrate.

24. (New) The liquid crystal cell according to claim 20, wherein the retardation film is arranged on each one of the top surface and the bottom surface of the liquid crystal cell between the liquid crystal and the first polarizer and the second polarizer.

25. (New) The liquid crystal display according to claim 20, wherein the plurality of different refraction indexes includes a third refraction index  $n_0$ , and wherein when the retardation film is arranged on each one of the top surface and the bottom surface of the liquid crystal cell, the retardation film exhibits the following characteristics:

$$70 \text{ nm} < (n_e - n_0) \cdot d < 200 \text{ nm}, \text{ and}$$

$$-200 \text{ nm} < (n_z - n_0) \cdot d < 0,$$

where  $d$  is a thickness of the retardation film.

26. (New) The liquid crystal display according to claim 25, wherein when the retardation film is arranged on one of the top surface and the bottom surface of the liquid crystal cell, the retardation film exhibits the following characteristics:

$$70 \text{ nm} < (n_e - n_0) \cdot d < 200 \text{ nm} \text{ and}$$

$$-200 \text{ nm} < (n_z - n_0) \cdot d < 0.$$

27. (New) The liquid crystal display according to claim 20, wherein the retardation film includes at least one plastic film.

28. (New) The liquid crystal display according to claim 27, wherein the at least one plastic film includes a unidirectional plastic film which is not stretched to saturation.

29. (New) The liquid crystal display according to claim 27, wherein the at least one plastic film includes a plastic film which is stretched bidirectionally.

30. (New) The liquid crystal display according to claim 27, wherein the retardation film includes a combination of at least one uniaxially positive film and at least one uniaxially negative film.

31. (New) The liquid crystal display according to claim 20, wherein the retardation film includes a holographic element.

32. (New) The liquid crystal display according to claim 20, wherein the retardation film includes a liquid crystal polymer.

33. (New) The liquid crystal display according to claim 20, wherein the liquid crystal is arranged according to the different orientation for each one of the plurality of subpixels corresponding to one of the plurality of pixels such that a viewing angle range of each one of the plurality of pixel supplements each other to form an essentially point-symmetric viewing angle range.

34. (New) The liquid crystal display according to claim 20, wherein the liquid crystal cell includes a TN cell which is twisted between 80° and 100°.

35. (New) The liquid crystal display according to claim 20, further comprising:

a photosensitive layer for orienting the liquid crystal molecules in a particular direction on surfaces of the first substrate and the second substrate, the particular direction of the liquid crystal molecules being determined by an exposure to a light.

36. (New) The liquid crystal display according to claim 20, wherein boundary areas between the plurality of subpixels are covered by a mask.

37. (New) The liquid crystal display according to claim 20, wherein each one of the plurality of pixels includes a switching element.